

SECTION 6

6.28 VAULTS:

Vaults may be pre-cast or cast-in-place. Pre-cast vaults shall be so designed that all joints and corners are waterproof. The roof and walls of pre-cast and cast-in-place vaults shall be made waterproof after construction by use of sealants, epoxies or other approved methods.

If the vault is not to be in a street, the roof shall be designed to support the overhead earth fill and any other reasonable loading that may occur. If the vault is to be built in a street, the roof shall be designed to support the street fill and HS-20 traffic loading in accordance with AASHTO Standards. However, if there is any doubt, the vault shall be designed for the traffic loading. Particular care shall be taken in selecting pre-cast vaults that the application not be one of either shallow or deep cover over the roof. Should the cover over the roof, be less than 2-1/2 feet or more than 5 feet, concern for adequacy of the roof, or the ability to remove and replace a one piece roof slab resting upon deflecting side walls may dictate a cast-in-place vault.

Automatic meter reading transmitter/antenna assembly shall be mounted inside the vault or through the access cover to maximize radio signal penetration.

Cast-in-place meter vaults shall conform to Sheets 56 through 59 and 71 through 74 of the Standard Drawings. See MS-18, MS-19, MS-21 and MS-26 for further details.